

H. FUGITIVE DUST PREVENTION AND CONTROL PLAN

Invenergy LLC (Invenergy) is including this Fugitive Dust Prevention and Control Plan (Plan) with the Installation Permit Application (Application) for the Allegheny Energy Center (Project). Using this Plan, Invenergy will implement reasonable actions to prevent fugitive dust from becoming airborne during construction activities as required in the Allegheny County Health Department (ACHD) Rules and Regulations, Article XXI. Pursuant to §2102.04(d), Invenergy will implement fugitive dust control methods during mobilization and construction operations associated with the Project, a nominal 626 megawatt (MW), natural gas-fired combined-cycle power plant to be located in Elizabeth Township, Allegheny County Pennsylvania (Project Site). These activities are scheduled to commence upon receipt of the Installation Permit.

As part of this Plan, Invenergy identified specific mobilization and construction operations that have the potential to generate fugitive dust. Activities associated with potential fugitive dust emissions along with a description of control methods that will be used to control fugitive dust have been summarized below in Table H-1.

Table H-1
Control Methods Used to Limit Fugitive Dust

Construction Activity	Control Method	Description of Control Method
Paved roads for vehicular traffic	Sweep and clean roadways	Periodic street sweeping of paved roads will be performed on a regular basis. The sweeping schedule will be developed based upon site specific conditions.
	Site access and road design	Restriction of traffic to specific designated roads will be maintained.
	Erosion control	Implementation of a physical barrier to absorb the energy of the wind and water to prevent soil accumulating on roadways.
	Reduce speeds	Vehicle speeds will be limited to ten (10) miles per hour and limits will be enforced.

Construction Activity	Control Method	Description of Control Method
Unpaved roads for vehicular traffic	Sweep and clean roadways	Periodic sweeping of fine dust from haul roads will be performed as necessary. The sweeping schedule will be developed based upon site specific conditions.
	Site access and road design	Traffic will be restricted to specific designated roads. Off-road travel will be limited on a case-by-case basis. Proper grading of haul roads will be maintained.
	Watering	Application of water or dust suppressants at sufficient frequency and quantity.
	Wheel washers	Wheel washers will be placed where vehicles exit unpaved areas and enter paved areas. Washers may be adjusted to spray entire vehicle when necessary.
	Road covering	Application of crushed and screened rock will be applied as needed. Routine sweeping will be performed if road is subject to dust accumulation.
	Erosion control	Implementation of a physical barrier to absorb the energy of the wind and water to prevent soil accumulating on roadways.
	Reduce speeds	Vehicle speeds will be limited to ten (10) miles per hour and limits will be enforced.
Soil and fill excavation, loading and unloading operations	Watering	Dirt, sand, or loose material will be moistened. Application of water or dust suppressants will be applied at sufficient frequency and quantity to minimize the generation of airborne dust.
	Proper equipment and techniques	Each truck or container will be covered, as necessary, prior to during, and after loading and unloading activities.
	Site condition	The site will be left in a condition that will prevent dust from being created during non-working hours.
Soil and fill stockpiles	Watering	Maintain exposed excavations and disturbed ground surfaces in a moist condition. Application of water or dust suppressants at sufficient frequency and quantity.
	Chemical stabilizers	Chemical stabilizers, as appropriate, will be used on piles subject to infrequent disturbances.
	Coverings	Exposed stockpiles will be covered, as necessary, with tarps, plastic, or other material.
	Site condition	The site will be left in a condition that will prevent dust from being created during non-working hours.
	Height limitations	The height of each stockpile will be minimized.

Through this Plan, Invenenergy anticipates that the measures taken to minimize fugitive dust during construction activities are adequate for compliance with control measures required by ACHD.